DR-35. SCHIFF'S BASES: SOURCE FOR THE SYNTHESIS AND EVALUATION AS ANTIMICROBIAL AGENTS OF PYRIDINE LINKED HYDRAZINYL AZOLES

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A new class of pyridine linked hydrazinyl azoles were prepared from heteroaryl schiff bases adopting conventional and ultrasonication methodologies. All compounds were obtained in higher yield and shorter reaction time when using the ultrasound irradiation method compared with the conventional method. The lead compounds were also tested for antimicrobial activity. Amongst all the compounds **4** displayed higher antibacterial activity and antifungal activity compared with the standard drugs.